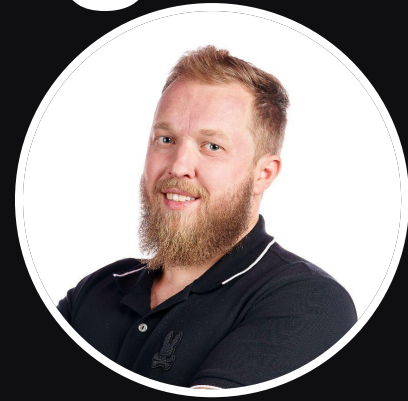




# Intermediate Angular

With your host **Alex Okrushko**





## What to expect

**By the end of this workshop you'll be familiar with the Signal-based Modern Angular.**





# Workshop Key Takeaways

- Learn Modern Angular  
Signal-base Component  
Model
  - Learn how to do Data  
Fetching and Mutations
  - Understand Advanced  
Routing and Guards
- Create forms with  
Signal-based Forms API
  - Dive into DI with Shared  
Services and Optimistic UI



About me?



# Meet your instructor

- 17+ years in Software Engineering
- Lead teams in companies like Google, Cisco and Snowflake
- Core team NgRx and Google Developer Expert in Angular
- I love sports and mentorships



# About this course



# Course Structure

- 5 Modules with multiple Steps in each
- I'll go over the material for each module
- Hands-on coding
- Code review



# Important Links

- These slides (<https://angular.short.gy/fm-intermediate>)
- Project Code (<https://angular.short.gy/devfest-workshop>)



# Software Installation

- [Latest version of Node or Active LTS](#)
- [Angular CLI](#)
- [Visual Studio Code](#)
- [Angular Language Service Plugin for VS Code](#)



# What is Angular?



**Angular is a **web framework** used  
to be **build scalable and  
maintainable web apps** with  
**confidence.****



# Project Setup



# Local installation

## Software Installation

- [Latest version of Node or Active LTS](#)
- [Angular CLI](#)
- [Visual Studio Code](#)
- [Angular Language Service Plugin for VS Code](#)

o o o

1 \$ ng version

2

3 Angular CLI: 21.0.3

4

5



## Create a new fork

A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

*Required fields are marked with an asterisk (\*).*

**Owner \***

Choose an owner ▾

**Repository name \***

devfest-manager

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

**Description**

Uncheck the checkbox

0 / 350 characters

Copy the `main` branch only

Contribute back to alex-okrushko/devfest-manager by adding your own branch. [Learn more.](#)

Create fork

```
$ git clone git@github.com:alex-okrushko/devfest-manager.git
```

o o o

1 \$ git checkout d1m1

2 \$ npm install --force

3 \$ npm run dev

4

5



# http://localhost:4200

DevfestManager

localhost:4200

**DevFest Manager** Events Admin **Tickets: 0**

## Upcoming Events

Date Placeholder

**Title Placeholder**

♡ Like Remove

[View Details →](#)

Date Placeholder

**Title Placeholder**

♡ Like Remove

[View Details →](#)

Date Placeholder

**Title Placeholder**

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# Explore an Angular project

**01** Open VS Code

**02** Open the project folder in VS  
Code:

**File > Open Folder > [Choose  
devfest-manager]**



# What's changed since Angular Fundamentals



- **Standalone by default**
- **Naming convention for Components**



# Module 1: The Signal-Powered Component Model



**input(), output(), linkedSignal(), model()**



# The Evolution of Inputs



- Inputs are now read-only signals by default
- Use `input.required()` for mandatory type-safe inputs



# Module 2: Declarative Data Fetching



# Module 3: Modern Routing



# Module 4: The Signal Forms API



# Module 5: Shared State & Dependency Injection



# Thank you

Sincerely, your host ***Alex Okrushko***

